

## Abstract

The present invention relates to a hot-film mass flow meter for recording the flow rate of a flowing medium in the intake tract or the charge air tract of an internal combustion engine. A substrate part (3) is provided, that accommodates a sensor chip (6), which is allocated to a 5 channel (10) that has flowing through it at least one partial mass flow of the flowing medium. The sensor chip (6) extends into channel (10) that has flowing through it the partial mass flow of the flowing medium. The substrate part (3) is formed either as a separately extruded plastic tongue or as a cavity (9) extruded of plastic material. The sensor chip (6) is integrated downstream with respect to a flow direction (11) of the flowing medium, so as to lie behind a 10 leading edge (5).

(Figure 5.2)